

<223> Synthetic

<400> 825

ccgtcacgcc tcctcctcat tgaatt

26

<210> 826

<211> 35

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 826

cctaaagtcc agtgatgatt ttcaccaggc aagta

35

<210> 827

<211> 20

<212> DNA

<213> Artificial Sequence

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<223> Synthetic

<400> 827

cagattggaa gcatccatct

20

<210> 828

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<223> Synthetic

<400> 828

gattcaatga ggaggaggc

19

<210> 829

<211> 27

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<400> 829

ccaggaagca agtggaggcg tgacggu

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<210> 830

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<212> DNA

<213> Artificial Sequence

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<220>

<221> misc_feature

<222> (3)..(3)

<223> The residue at this position is linked to a Z21 quenching group.

<400> 830

cactgcttcg tgg

13

<210> 831

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 831

ccgtcacgcc tccttcggag tttggt

26

<210> 832

<211> 27

<212> DNA

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<223> Synthetic

<400> 832

ccgtcacgcc tccttcggag tttggtt

27

<210> 833

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 833

gggttggtgga gtgagtgttc aagta

25

<210> 834

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 834

aacccaaact ccgaaggcgg cgtg

24

<210> 835

<211> 28

<212> DNA

<213> Artificial Sequence

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<223> Synthetic

<400> 835

cggaagaagc agttggaggc gtgacggt

28

<210> 836

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 836

caacgcttcc tccg

14

<210> 837

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 837

gccgtcacgc ctctttgggt ttgcttgtc

29

<210> 838

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 838

gccgtcacgc ctctttgggt ttgcttgt

28

<210> 839

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 839

tggagtgaagt gttcaagtct tcggaga

27

<210> 840

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 840

gacaagcaaa cccaaagagg cg

22

<210> 841

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 841
cggaagaagc agttggaggc gtgacggc

28

<210> 842

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

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<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 842
caacgcttcc tccg

14

<210> 843

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 843
cctgtctcgc tgccttcgga gtttggg

27

<210> 844

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 844

cctgtctcgc tgccttcgga gtttgg

26

<210> 845

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 845

gggttggtgga gtgagtgttc aagta

25

<210> 846

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 846

cccaaactcc gaaggcagcg

20

<210> 847

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 847

cggaggaagc agttggcagc gagacagg

28

<210> 848

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (26)..(26)

<223> The modified nucleotide at this position is amino-deoxy adenosine

<400> 848

cggaggaagc agttggcagc gagacagg

28

<210> 849

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (22)..(22)

<223> The modified nucleotide at this position is amino-deoxy adenosine

<400> 849

cggaggaagc agttggcagc gagacagg

28

<210> 850

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (18)..(18)

<223> The modified nucleotide at this position is amino-deoxy adenosine

<400> 850
cggaggaagc agttggcagc gagacagg

28

<210> 851

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (22)..(22)

<223> The modified nucleotide at this position is amino-deoxy adenosine

<220>

<221> modified_base

<222> (26)..(26)

<223> The modified nucleotide at this position is amino-deoxy adenosine

<400> 851
cggaggaagc agttggcagc gagacagg

28

<210> 852
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<220>
<221> modified_base
<222> (18)..(18)

<223> The modified nucleotide at this position is amino-deoxy adenosine

<220>
<221> modified_base
<222> (26)..(26)
<223> The modified nucleotide at this position is amino-deoxy adenosine

<400> 852
cggaggaagc agttggcagc gagacagg

28

<210> 853
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<220>
<221> modified_base
<222> (18)..(18)

<223> The modified nucleotide at this position is amino-deoxy adenosine

<220>

<221> modified_base

<222> (22)..(22)

<223> The modified nucleotide at this position is amino-deoxy adenosine

<400> 853

cggaggaagc agttggcagc gagacagg

28

<210> 854

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 854

caacgcttcc tccg

14

<210> 855

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 855

gccgtcacgc ctctgggaca cttgctgc

28

<210> 856

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 856

gccacaatgg tcttgaagat cacagcttct ta

32

<210> 857

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 857

gcagcaagtg tcccagaggc g

21

<210> 858

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 858

cggaagaagc agttggaggc gtgacggc

28

<210> 859

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 859

caacgcttcc tccg

14

<210> 860

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 860

ccgtcacgcc tccttcggag tttggg

26

<210> 861

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 861

gggttggtgga gtgagtgttc aagta

25

<210> 862

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 862
gggaaactcc gaaggaggcg

20

<210> 863

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 863
ccaggaagca agtggaggcg tgacggu

27

<210> 864

<211> 13

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (3)..(3)

<223> The residue at this position is linked to a Z21 quenching group.

<400> 864
cactgcttcg tgg

13

<210> 865

<211> 26

<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic

<400> 865
cgccgagatc accttcggag tttggg

26

<210> 866

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 866
gggttggtga gtgagtgttc aagta

25

<210> 867

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 867
cccaaactcc gaaggtgatc

20

<210> 868

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 868

cggaagaagc agttggtgat ctcggcgg

28

<210> 869

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 869

caacgcttcc tccg

14

<210> 870

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 870

aacgaggcgc accttcggag tttggg

26

<210> 871

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 871

gggttggtgga gtgagtgttc aagta

25

<210> 872

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 872

cccaaactcc gaaggtgcg

19

<210> 873

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 873

cggaagaagc agttggtgcg cctcgtaa

29

<210> 874

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4) .. (4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 874

caacgcttcc tccg

14

<210> 875

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 875

ccgtcacgcc tccttcggag ttg

25

<210> 876

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 876

gggttggtgga gtgagtgttc aagta

25

<210> 877

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 877

gtttgcttgt ccaggtgg

18

<210> 878

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 878

ccaaactccg aaggaggcg

19

<210> 879

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 879

cggaagaagc agttggaggc gtagcggt

28

<210> 880

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 880
caacgcttcc tccg

14

<210> 881

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 881
ccgtcacgcc tccttcggag ttg

24

<210> 882

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 882
gggttggtga gtgagtgttc aagta

25

<210> 883

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 883
gttttgcttg tccaggtgg

19

<210> 884

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 884
ccaaactccg aaggaggcg

19

<210> 885

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 885
cggaagaagc agttggaggc gtgacggt

28

<210> 886

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 886
caacgcttcc tccg

14

<210> 887

<211> 23
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic

<400> 887
ccgtcacgcc tccttcggag ttt

23

<210> 888

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 888
gggttggtga gtgagtgttc aagta

25

<210> 889

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 889
gggtttgctt gtccaggtg

19

<210> 890

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 890

ccaaactccg aaggaggcg

19

<210> 891

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 891

cggaagaagc agttggaggc gtgacggt

28

<210> 892

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 892

caacgcttcc tccg

14

<210> 893

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 893

ccgtcacgcc tccggagttt ggg

23

<210> 894

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 894

gttggtggagt gagtgttcaa gtatta

26

<210> 895

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 895

tttgcttgtc caggtgttcc ag

22

<210> 896

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 896

cccaaactcc ggaggcg

17

<210> 897
<211> 28
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic

<400> 897
cggaagaagc agttggaggc gtgacggt

28

<210> 898
<211> 14
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 898
caacgcttcc tccg

14

<210> 899
<211> 23
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic

<400> 899
cgccgagatc accggagttt ggg 23

<210> 900

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 900
gttggtggagt gagtgttcaa gtatta 26

<210> 901

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 901
tttgcttgtc caggtggtcc ag 22

<210> 902

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 902
ctagtggcct caaaccc 17

<210> 903

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 903

cggaagaagc agttggtgat ctcggcgg

28

<210> 904

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 904

caacgcttcc tccg

14

<210> 905

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 905

cgccgagatc acctttacat tttctatcgt

30

<210> 906

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 906

cgccgagatc acctttacat tttctatcgt

30

<210> 907

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 907

ccttccttat cctggatctt ggca

24

<210> 908

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 908

acgatagaaa atgtaaaggt gatc

24

<210> 909

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 909

cgcagtgaga atgaggtgat ctcggcggt

29

<210> 910

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (3)..(3)

<223> The residue at this position is linked to a Z21 quenching group.

<400> 910

ctcttctcag tgcg

14

<210> 911

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 911

gtttcttttg tgtctccgca ctgcc

25

<210> 912

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 912

ccagcagtaa atgctccagt tgtaga

26

<210> 913

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 913

tagaacttga agtaggtgc

19

<210> 914

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 914

caaagaaaac acaggaggc

19

<210> 915

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 915

ccaggaagca agtggaggcg tgacggu

27

<210> 916
 <211> 13
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic
 <220>
 <221> misc_feature
 <222> (3)..(3)
 <223> The residue at this position is linked to a Z21 quenching group.

<400> 916
 cactgcttcg tgg 13

<210> 917
 <211> 26
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic

<400> 917
 aacgaggcgc acctgtgttt tctttg 26

<210> 918
 <211> 26
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic

<400> 918
 ccagcagtaa atgctccagt tgtaga 26

<210> 919
<211> 19
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic

<400> 919
tagaacttga agtaggtgc

19

<210> 920
<211> 19
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic

<400> 920
caaagaaaac acaggtgcg

19

<210> 921
<211> 27
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic

<400> 921
ccaggaagca agtggtgcgc ctcgttt

27

<210> 922
<211> 13
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (3)..(3)

<223> The residue at this position is linked to a Z21 quenching group.

<400> 922
cactgcttcg tgg

13

<210> 923

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 923
ccgtcacgcc tctccagtt gtag

24

<210> 924

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 924
aaaatcatct gttaaaccag cagtaaata

30

<210> 925

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 925

ctgtgttttc tttgtagaac

20

<210> 926

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 926

ctacaactgg aggaggc

17

<210> 927

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 927

ccaggaagca agtggaggcg tgacggu

27

<210> 928

<211> 13

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (3)..(3)

<223> The residue at this position is linked to a Z21 quenching group.

<400> 928
cactgcttcg tgg

13

<210> 929

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 929
aacgaggcgc acctccagtt gtag

24

<210> 930

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 930
aaaatcatct gtaaattccag cagtaaattga

30

<210> 931

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 931

ctgtgttttc tttgtagaac

20

<210> 932

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 932

ctacaactgg aggtgcg

17

<210> 933

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 933

ccaggaagca agtggtgcg ctcgttt

27

<210> 934

<211> 13

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (3)..(3)

<223> The residue at this position is linked to a Z21 quenching group.

<400> 934
cactgcttcg tgg

13

<210> 935

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 935
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28

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32

<210> 937

<211> 23

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<400> 937
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23

<210> 938
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<223> Synthetic

<400> 938
tacaaagaaa acacaggagg cgt

23

<210> 939
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<400> 939
ccaggaagca agtggaggcg tgacggu

27

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<223> Synthetic

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<222> (3)..(3)

<223> The residue at this position is linked to a Z21 quenching group.

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13

<210> 941

<211> 28

<212> DNA

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<220>

<223> Synthetic

<400> 941

aacgaggcgc acctgtgttt tctttgta

28

<210> 942

<211> 32

<212> DNA

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<223> Synthetic

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gtaaatccag cagtaaatgc tccagttgta ga

32

<210> 943

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<223> Synthetic

<400> 943

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<400> 944

tacaaagaaa acacaggtgc g

21

<210> 945

<211> 27

<212> DNA

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<400> 945

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<210> 946

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<212> DNA

<213> Artificial Sequence

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<220>

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<222> (3) .. (3)

<223> The residue at this position is linked to a Z21 quenching group.

<400> 946

cactgcttcg tgg

13

<210> 947

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 947

ccgtcacgcc tcctccagtt gtaa

24

<210> 948

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 948

ccgtcacgcc tcctccagtt gtat

24

<210> 949

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 949

ccgtcacgcc tcctccagtt gtac

24

<210> 950

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 950
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<210> 951

<211> 20

<212> DNA

<213> Artificial Sequence

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<400> 951
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<210> 952

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 952
ctacaactgg aggaggc 17

<210> 953

<211> 27

<212> DNA

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<400> 953
ccaggaagca agtggaggcg tgacggg 27

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<212> DNA

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<222> (3)..(3)

<223> The residue at this position is linked to a Z21 quenching group.

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13

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<211> 24

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<220>

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<211> 33

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<213> Artificial Sequence

<220>

<223> Synthetic

<400> 956

ttctagacac tgaagatggt tcagttctgt gga

33

<210> 957

<211> 20
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<400> 957
catgcccaag aagggaggcg

20

<210> 958

<211> 28

<212> DNA

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<400> 958
cggaagaagc agttggaggc gtgacggc

28

<210> 959

<211> 14

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<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

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14

<210> 960

<211> 33

<212> DNA

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<220>

<223> Synthetic

<400> 960

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<210> 961

<211> 34

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 961

catcctggtg agtttgggat tcttgtaatt tata

34

<210> 962

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 962

gtaaatccag cagtaaagtc tccag

25

<210> 963

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 963

agatgatttt gaatggaatt agaggcg

27

<210> 964

<211> 28

<212> DNA

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<220>

<223> Synthetic

<400> 964

cggaagaagc agttggaggc gtgacggc

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<210> 965

<211> 14

<212> DNA

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<220>

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<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 965

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14

<210> 966

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 966

ccgccgagat cacctgtggt ttctttgta

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<210> 967

<211> 32

<212> DNA

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<220>

<223> Synthetic

<400> 967

gtaaatccag cagtaaagtc tccagttgta ga

32

<210> 968

<211> 23

<212> DNA

<213> Artificial Sequence

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<223> Synthetic

<400> 968

gaacttgaag taggtgcact gtt

23

<210> 969

<211> 23

<212> DNA

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<220>

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<400> 969
gaacttgaag taggtgcact gtt

23

<210> 970

<211> 23

<212> DNA

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<220>

<223> Synthetic

<400> 970
gaacttgaag taggtgcact gtt

23

<210> 971

<211> 23

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<400> 971
gaacttgaag taggtgcact gtt

23

<210> 972

<211> 23

<212> DNA

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<220>

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<400> 972
tacaaagaaa acacaggtga tct

23

<210> 973

<211> 28

<212> DNA

<213> Artificial Sequence

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<400> 973

cggaggaagc agttggtgat ctcggcgg

28

<210> 974

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

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<220>

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<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 974

caacgcttcc tccg

14

<210> 975

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 975

aacgaggcgc acccttcttg ggcattg

26

<210> 976

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 976

ttctagacac tgaagatggt tcagttctgt gga

33

<210> 977

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<212> DNA

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<400> 977

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19

<210> 978

<211> 29

<212> DNA

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<400> 978

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<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 979

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14

<210> 980

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 980

aacgaggcgc actaattcca ttcaaaatca tct

33

<210> 981

<211> 34

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 981

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34

<210> 982

<211> 25

<212> DNA

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<223> Synthetic

<400> 982
gtaaatccag cagtaaattgc tccag

25

<210> 983

<211> 26

<212> DNA

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<220>

<223> Synthetic

<400> 983
agatgatttt gaatggaatt agtggt

26

<210> 984

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 984
cggaagaagc agttggtgcg cctcgtaa

29

<210> 985

<211> 14

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<223> Synthetic

<220>

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<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 985
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14

<210> 986

<211> 30

<212> DNA

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<400> 986
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<210> 987

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<400> 987
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22

<210> 988

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 988
ccctgcagat ggtttccttc ta

22

<210> 989

<211> 22

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<400> 989
ctccaagaac acaactggca gc

22

<210> 990

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<212> DNA

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<400> 990
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24

<210> 991

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<212> DNA

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<400> 991
ctccaagaac acaactggca gcgaga

26

<210> 992

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 992

cggaggaagc agttggcagc gagacagg

28

<210> 993

<211> 14

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<400> 993

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14

<210> 994

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

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aacgaggcgc accttggagg cagcaaa

27

<210> 995

<211> 26

<212> DNA

<213> Artificial Sequence

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<223> Synthetic

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aacgaggcgc accttggagg cagcaa

26

<210> 996

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

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aaggtttcct tctcagttgt gtta

24

<210> 997

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<212> DNA

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ctttgctgcc tccaaggtgc g

21

<210> 998

<211> 29

<212> DNA

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<220>

<223> Synthetic

<400> 998

cggaggaagc agttggtgcg cctcgtaa

29

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<211> 14

<212> DNA

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<220>

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<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 999

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14

<210> 1000

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

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29

<210> 1001

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

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aaggtttcct tctcagttgt gttcta

26

<210> 1002

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1002

catcttttgcct gcctccagag acg

23

<210> 1003

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1003

gctactgaga tgaaggagac gtgactgta

29

<210> 1004

<211> 14

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<223> Synthetic

<220>

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<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1004
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14

<210> 1005

<211> 28

<212> DNA

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<220>

<223> Synthetic

<400> 1005
aacgaggcgc accttggagg cagcaaag

28

<210> 1006

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1006
aaggtttcct tctcagttgt gtta

24

<210> 1007

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<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1007
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21

<210> 1008

<211> 29

<212> DNA

<213> Artificial Sequence

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<223> Synthetic

<400> 1008
cggaggaagc agttggtgcg cctcgtaa

29

<210> 1009

<211> 14

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<220>

<223> Synthetic

<220>

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<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1009
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14

<210> 1010

<211> 32

<212> DNA

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<220>

<223> Synthetic

<400> 1010
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32

<210> 1011

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1011
gaattggcac tcaaattgtgt tgtcagaga

29

<210> 1012

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1012
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28

<210> 1013

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1013
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27

<210> 1014

<211> 14
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 <400> 1014
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 <210> 1015
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 <400> 1015
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 <210> 1016
 <211> 29
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 <400> 1016
 gaattggcac tcaaatgtgt tgtcagaga 29

<210> 1017

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1017

actggttgtaa aactaaaggg ggtg

24

<210> 1018

<211> 26

<212> DNA

<213> Artificial Sequence

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<400> 1018

actggttgtaa aactaaaggg ggtgat

26

<210> 1019

<211> 28

<212> DNA

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<400> 1019

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28

<210> 1020

<211> 30

<212> DNA

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<220>

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<400> 1020

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30

<210> 1021

<211> 30

<212> DNA

<213> Artificial Sequence

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<400> 1021

cggaggaagc gggtggtgat ctcggcggca

30

<210> 1022

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

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<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1022

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14

<210> 1023

<211> 34

<212> DNA

<213> Artificial Sequence

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<223> Synthetic

<400> 1023

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34

<210> 1024

<211> 33

<212> DNA

<213> Artificial Sequence

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<223> Synthetic

<400> 1024

ccgccgagat cacccttta gttttacaac agt

33

<210> 1025

<211> 29

<212> DNA

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<223> Synthetic

<400> 1025

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29

<210> 1026

<211> 26

<212> DNA

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<400> 1026
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26

<210> 1027

<211> 30

<212> DNA

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<400> 1027
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30

<210> 1028

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<222> (4)..(4)

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<400> 1028
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14

<210> 1029

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<400> 1029

aacgaggcgc accccttttag ttttacaaca gt

32

<210> 1030

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1030

gaattggcac tcaaattgtgt tgtcagaga

29

<210> 1031

<211> 29

<212> DNA

<213> Artificial Sequence

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<223> Synthetic

<400> 1031

agtaactgtt gtaaaactaa aggggtgcg

29

<210> 1032

<211> 29

<212> DNA

<213> Artificial Sequence

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<223> Synthetic

<400> 1032

cggaggaagc agttggtgcg cctcgtaa

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<220>

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<222> (4)..(4).

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1033
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14

<210> 1034

<211> 32

<212> DNA

<213> Artificial Sequence

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<400> 1034
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32

<210> 1035

<211> 29

<212> DNA

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<400> 1035
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29

<210> 1036

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1036

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<210> 1037

<211> 29

<212> DNA

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<400> 1037

cggaggaagc agttggtgcg cctcggttaa

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<212> DNA

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<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1038

caacgcttcc tccg

14

<210> 1039

<211> 29

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<223> Synthetic

<400> 1039

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<211> 29

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<223> Synthetic

<400> 1040

gaattggcac tcaaattgtgt tgtcagaga

29

<210> 1041

<211> 32

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<223> Synthetic

<400> 1041

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32

<210> 1042

<211> 23

<212> DNA

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<220>

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<400> 1042
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23

<210> 1043

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

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<400> 1043
cggaagaagc agttggaggc gtagcgg

28

<210> 1044

<211> 14

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<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1044
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14

<210> 1045

<211> 29

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<223> Synthetic

<400> 1045

cgccgagatc accccttttag ttttacaac

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<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1046

gaattggcac tcaaattgtgt tgtcagaga

29

<210> 1047

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1047

agttactctg atattgctga tgaaattctc ag

32

<210> 1048

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1048

gttgtaaaac taaaggggtg atc

23

<210> 1049

<211> 28

<212> DNA

<213> Artificial Sequence

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<223> Synthetic

<400> 1049

cggaagaagc agttggtgat ctcggcgg

28

<210> 1050

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

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<220>

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<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1050

caacgcttcc tccg

14

<210> 1051

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1051

ccgtcacgcc tcccctttag ttttaca

28

<210> 1052

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1052

gaattggcac tcaaattgtg tgtcagaga

29

<210> 1053

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1053

cagttactct gatattgctg atgaaattct ca

32

<210> 1054

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1054

gttgtaaaac taaaggggag gcg

23

<210> 1055

<211> 28

<212> DNA

<213> Artificial Sequence

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<223> Synthetic

<400> 1055

cggaagaagc agttggaggc gtgacggt

28

<210> 1056

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1056

caacgcttcc tccg

14

<210> 1057

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1057

ccgtcacgcc tccccttttag ttttacia

28

<210> 1058

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1058

gaattggcac tcaaattgtgt tgtcagaga

29

<210> 1059

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1059

cagttactct gatattgctg atgaaattct ca

32

<210> 1060

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1060

gttgtaaaac taaaggggag gcg

23

<210> 1061

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1061
ccaggaagca gttggaggcg tgacggt

27

<210> 1062

<211> 13

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1062
caacgcttcg tgg

13

<210> 1063

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1063
ccgtcacgcc tcccgtagc taagat

26

<210> 1064

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1064

cgagggttttc caaggagttg ttta

24

<210> 1065

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1065

ccctggatca gatttagaga gc

22

<210> 1066

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1066

atcttagcta acgggaggcg

20

<210> 1067

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1067

cggaagaagc agttggaggc gtgacggt

28

<210> 1068

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1068

caacgcttcc tccg

14

<210> 1069

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1069

ccgtcacgcc tcagttgttt ccgtt

25

<210> 1070

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1070

agaggtacaa acgaggtttt ccaaggc

27

<210> 1071

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1071

agctaagatc cctggatcag atttagaga

29

<210> 1072

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1072

aacggaaaca actgaggcg

19

<210> 1073

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1073

ccaggaagca agtggaggcg tgacggu

27

<210> 1074

<211> 13

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (3) .. (3)

<223> The residue at this position is linked to a Z21 quenching group.

<400> 1074

cactgcttcg tgg

13

<210> 1075

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1075

ccgtcacgcc tcccgttagc ta

22

<210> 1076

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1076

caaacgagggt tttccaagga gttga

25

<210> 1077
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 1077
agatccctgg atcagattta gagagctc

28

<210> 1078
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 1078
tagctaacgg aaagaggcg

19

<210> 1079
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 1079
ccaggaagca agtggaggcg tgacggu

27

<210> 1080
<211> 13
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (3)..(3)

<223> The residue at this position is linked to a Z21 quenching group.

<400> 1080
cactgcttcg tgg

13

<210> 1081

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1081
ccgtcacgcc tcccgttag

19

<210> 1082

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1082
agagggtacaa acgagggtttt ccaaggaga

29

<210> 1083

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1083

ctaagatccc tggatcagat ttagagag

28

<210> 1084

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1084

ctaacggaaa caagaggcg

19

<210> 1085

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1085

ccaggaagca agtggaggcg tgacggu

27

<210> 1086

<211> 13

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (3)..(3)

<223> The residue at this position is linked to a Z21 quenching group.

<400> 1086
cactgcttcg tgg

13

<210> 1087

<211> 37

<212> DNA

<213> Artificial Sequence.

<220>

<223> Synthetic

<400> 1087
aacgaggcgc accttaccaa tgctaagaa aagagtt

37

<210> 1088

<211> 36

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1088
tgcattatgt ttctgtcact ctctctttc caatta

36

<210> 1089

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1089

aactcttttc ttaggcattt tgaaggtgcg

30

<210> 1090

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1090

cggaggaagc agttggtgcg cctcgtaa

29

<210> 1091

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1091

caacgcttcc tccg

14

<210> 1092

<211> 37

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1092

cagtcacgtc tctcttcaaa atgcctaaga aaagagt

37

<210> 1093

<211> 37

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1093

tctgcattat ttttctgtca ctctctcttt tccaata

37

<210> 1094

<211> 31

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1094

actcttttct taggcatttt gaagagagac g

31

<210> 1095

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1095

gctactgaga tgaaggagac gtgactgta

29

<210> 1096
 <211> 14
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic
 <220>
 <221> misc_feature
 <222> (4)..(4)
 <223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1096
 cttctctcag tagc 14

<210> 1097
 <211> 27
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic
 <400> 1097
 aacgaggcgc acccttttgc cagttcc 27

<210> 1098
 <211> 27
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic
 <400> 1098

gctctgcagg attttcatgt caccata

27

<210> 1099

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1099

gaggaactgg caaaagggtg cg

22

<210> 1100

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1100

gctactgaga tgaaggagac gtgactgta

29

<210> 1101

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1101
cttctctcag tagc

14

<210> 1102

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1102
aacgaggcgc acccttttgc cagt

24

<210> 1103

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1103
gctctgcagg attttcatgt caccata

27

<210> 1104

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1104
tcctccagat atccaagaag agactc

26

<210> 1105

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1105

actggcaaaa ggcgggc

17

<210> 1106

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1106

cggaggaaaag cagttggtgc gcctcguuua

30

<210> 1107

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1107

cggagaaaag cagttggtgc gcctcguuua

30

<210> 1108

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic
<220>
<221> misc_feature
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<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1108
caacgcttcc tccg

14

<210> 1109
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 1109
gccgcacgcc gccttttgcc agt

23

<210> 1110
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 1110
gctctgcagg attttcatgt caccata

27

<210> 1111
<211> 26
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1111
tcctccagat atccaagaag agactc

26

<210> 1112

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1112
actggcaaaa ggcgggc

17

<210> 1113

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1113
cggaggaagc agttgcggcg tgcggca

27

<210> 1114

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1114
caacgcttcc tccg

14

<210> 1115

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1115
aacgaggcgc acccttttgc cagttc

26

<210> 1116

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1116
gctctgcagg attttcatgt caccata

27

<210> 1117

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1117

ctccagatat ccaagaagag actc

24

<210> 1118

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1118

gaactggcaa aagggtgcg

19

<210> 1119

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1119

cggaggaagc agttggtgcg cctcgtaa

29

<210> 1120

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1120
caacgcttcc tccg

14

<210> 1121

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1121
ccgtcacgcc tccttggcaa aactgcacc

29

<210> 1122

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1122
ccgtcacgcc tccttggcaa aactgcacca

30

<210> 1123

<211> 35

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1123
ctttatgcac tgacatctaa gttcttttagc actca

35

<210> 1124

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1124

tggtgcagtt ttgccaagga ggcg

24

<210> 1125

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1125

tggtgcagtt ttgccaagga ggcgtg

26

<210> 1126

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1126

cggaagaagc agttggaggc gtgacggc

28

<210> 1127

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1127
caacgcttcc tccg

14

<210> 1128

<211> 31

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1128
ccgtcacgcc tccatcttca ctgattcttg g

31

<210> 1129

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1129
ccgtcacgcc tccatcttca ctgattcttg ga

32

<210> 1130

<211> 35

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1130
agtgttgaag tagatttgct tgaagtttca ctgga

35

<210> 1131

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1131
gataccacag agaatgaatt tt

22

<210> 1132

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1132
tccaagaatc agtgaagatg gaggcg

26

<210> 1133

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1133
tccaagaatc agtgaagatg gaggcgtg

28

<210> 1134
<211> 21
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1134
gaatcagtga agatggaggc g

21

<210> 1135
<211> 28
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1135
cggaagaagc agttggaggc gtgacggc

28

<210> 1136
<211> 14
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1136

caacgcttcc tccg

14

<210> 1137

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1137

ccgtcacgcc cttggctcaa ttttgct

27

<210> 1138

<211> 42

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1138

ccattcaatt cctgaaatta aagttcggat attctcttgg ca

42

<210> 1139

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1139

cctgaaatta aagttcggat attctcttgg ca

32

<210> 1140

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1140

cctgaaatta aagttcggat attctcttgg ca

32

<210> 1141

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1141

agcaaaattg agccaaggga ggcg

24

<210> 1142

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1142

agcaaaattg agccaaggga ggcgtg

26

<210> 1143

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1143
cggaagaagc agttggaggc gtagcggc

28

<210> 1144

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1144
caacgcttcc tccg

14

<210> 1145

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1145
ccgtcacgcc tccatcttca ctgattcttg

30

<210> 1146

<211> 47

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1146

ttctagcaaa cccattcaat tcctgaaatt aaagttcgga tattcta

47

<210> 1147

<211> 37

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1147

cccattcaat tcctgaaatt aaagttcgga tattcta

37

<210> 1148

<211> 37

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1148

cccattcaat tcctgaaatt aaagttcgga tattcta

37

<210> 1149

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1149

ccaagggcca aggaggcgt

19

<210> 1150

<211> 28
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1150
cggaagaagc agttggaggc gtgacggc

28

<210> 1151

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1151
caacgcttcc tccg

14

<210> 1152

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1152
ccgtcacgcc tccatcttca ctgattc

27

<210> 1153

<211> 35

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1153

agtgttgaag tagatttgct tgaagtttca ctgga

35

<210> 1154

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1154

ttggatacca cagagaatga att

23

<210> 1155

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1155

cggaagaagc agttggaggc gtagcggc

28

<210> 1156

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1156
caacgcttcc tccg

14

<210> 1157

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1157
ccgtcacgcc tccatcttca ctgatt

26

<210> 1158

<211> 35

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1158
agtgttgaag tagatttgct tgaagtttca ctgga

35

<210> 1159

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1159
cttggatacc acagagaatg aatt

24

<210> 1160

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1160
cggaagaagc agttggaggc gtgacggt

28

<210> 1161

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1161
caacgcttcc tccg

14

<210> 1162

<211> 30

<212> DNA

<213> Artificial Sequence

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<222> (4)..(4)

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dye.

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32

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27

<210> 1196

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27

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22

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32

<210> 1200

<211> 27

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<220>

<223> Synthetic

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<212> DNA

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<223> Synthetic

<400> 1201

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31

<210> 1202

<211> 24

<212> DNA

<213> Artificial Sequence

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<223> Synthetic

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24

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23

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28

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26

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<210> 1216

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32

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27

<210> 1218

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<210> 1220

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<212> DNA

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<210> 1224

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25

<210> 1226

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<223> Synthetic

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<210> 1227

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<400> 1227

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ccgtcacgcc tcgccccaca

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25

<210> 1232

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14

<210> 1236

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25

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19

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19

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cacacttttc cataacttttt atg

23

<210> 1242

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25

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19

<210> 1244

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18

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21

<210> 1251

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<212> DNA

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<210> 1252

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28

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<400> 1253

cttgaaatta gacacggtgc g

21

<210> 1254

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22

<210> 1258

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<400> 1259

gggatctctg tttct

15

<210> 1260

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30

<210> 1261

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23

<210> 1262

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31

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29

<210> 1266

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ccttgaaatt agacacggtg cgc

23

<210> 1267

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<400> 1267

ccttgaaatt agacacggtg cgc

23

<210> 1268

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<400> 1270
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31

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<400> 1273

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24

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<400> 1274

aacgagcgcg accgtgtcta atttca

26

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<400> 1275
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20

<210> 1276

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27

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17

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24

<210> 1279

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gaagagcata agttggaatc accaccata

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21

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15

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21

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aacgaggcgc accgggtccc a

21

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25

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ttagggagat ttgacgtgcg cc

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gacttggaac ccagtgcgcc

20

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aacgacgcgc actgggttcc aagtc

25

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18

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cgacttgga cccagtgcg

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35

<210> 1675

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32

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tatagaactt gatggttg cgc

23

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aacgaggcg acaaccatca agttcta

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<400> 1678

tatctttttt acagactctc tcaagtctat tacc

34

<210> 1679

<211> 21

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tagaacttga tggttgtgcg c

21

<210> 1680

<211> 23

<212> DNA

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cagtcacgtc tcctcggcag ggc

23

<210> 1681

<211> 29

<212> DNA

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cacaatatcg taggtaggag gtgccttaa

29

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gccctgccga ggagacg

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cagtcacgtc tcctcggcag gg

22

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<400> 1684

ccccatcgat ctctcctg

19

<210> 1685

<211> 16

<212> DNA

<213> Artificial Sequence

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<223> Synthetic

<400> 1685

ccctgccgag gagacg

16

<210> 1686

<211> 21

<212> DNA

<213> Artificial Sequence

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<223> Synthetic

<400> 1686

cagtcacgtc tcctcggcag g

21

<210> 1687

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1687

gccccatcga tctcctcc

18

<210> 1688

<211> 15

<212> DNA

<213> Artificial Sequence

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cctgccgagg agacg

15

<210> 1689

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cagtcacgtc tcctcggcag

20

<210> 1690

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<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1690

ggcccatcg atctcctc

18

<210> 1691

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1691

ctgccgagga gacg

14

<210> 1692

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1692

ccgtcacgcc tcctcggcag g

21

<210> 1693

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cctgccgagg aggcg

15

<210> 1694

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<220>

<223> Synthetic

<400> 1694

gccccatcga tctcctcc

18

<210> 1695

<211> 21

<212> DNA

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<400> 1695

ccgtcacgcc tcctcggcag g

21

<210> 1696

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1696

ccgtcacgcc tcggcttggtg tgttc

25

<210> 1697

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1697

ccgggatagg ttcagggagg cgtc

24

<210> 1698

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1698

ggtttcatgg gggtccct

18

<210> 1699

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1699

gaacacacaa gccgaggcg

19

<210> 1700

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1700

ccgtcacgcc tcgcctttgt ttgg

24

<210> 1701

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1701

ccaaacaaag gcgaggcg

18

<210> 1702

<211> 34

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1702

gggcaacatt gacataaagt gtttgcgtac tctc

34

<210> 1703

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1703

gttcgaattc catgtcatc

19

<210> 1704

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1704

ccgtcacgcc tcgcctttgt ttg

23

<210> 1705

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1705

caaacaaagg cgaggcg

17

<210> 1706

<211> 20

<212> DNA

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<223> Synthetic

<400> 1706

ggttcgaatt ccatgtcatc

20

<210> 1707

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<400> 1707

aacgaggcgc acgctcctgg aagatg

26

<210> 1708

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1708

catcttccag gagcgtgcgc c

21

<210> 1709

<211> 23

<212> DNA

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<223> Synthetic

<400> 1709

cacttgattt tggagggatc tca

23

<210> 1710

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (13)..(13)

<223> The modified nucleotide at this position is biotinylated thymidine.

<400> 1710

aaaagtggct cctc

14

<210> 1711

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (15)..(15)

<223> The modified nucleotide at this position is biotinylated thymidine.

<400> 1711
aaaagaggct ccgctc

16

<210> 1712

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (15)..(15)

<223> The modified nucleotide at this position is biotinylated thymidine.

<400> 1712
aaaatgtacg ccgctc

16

<210> 1713

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (18)..(18)

<223> The modified nucleotide at this position is biotinylated thymidine.

<400> 1713
aaaagatagc ccacagctc

19

<210> 1714

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (19)..(19)

<223> The modified nucleotide at this position is biotinylated thymidine.

<400> 1714
aaaaccaacc gtatgaactc

20

<210> 1715

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (16)..(16)

<223>

<400> 1715
aaaatcatatc gccactc

17

<210> 1716

<211> 32

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1716

cggaggaagc agttggtgtg cctcgttgcc tt

32

<210> 1717

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1717

cggaggaagc agttggtgcc cctcgttaa

29

<210> 1718

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1718

cggaagaagc agttggtgcg cctcgttaa

29

<210> 1719

<211> 29

<212> DNA

<213> Artificial Sequence

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<223> Synthetic

<400> 1719
cggaagaagc agttggtgcg cctcgtaa

29

<210> 1720

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

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29

<210> 1721

<211> 29

<212> DNA

<213> Artificial Sequence

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<223> Synthetic

<400> 1721
cggaagaagc agttggtgcg cctcgtaa

29

<210> 1722

<211> 29

<212> DNA

<213> Artificial Sequence

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<223> Synthetic

<400> 1722
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<210> 1723

<211> 28

<212> DNA

<213> Artificial Sequence

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<223> Synthetic

<400> 1723

cggaagaagc agttggaggc gtagcggt

28

<210> 1724

<211> 28

<212> DNA

<213> Artificial Sequence

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<223> Synthetic

<400> 1724

cggaagaagc agttggaggc gtagcgga

28

<210> 1725

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1725

cggaagaagc agttggaggc gtagcgga

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<210> 1726

<211> 28

<212> DNA

<213> Artificial Sequence

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<223> Synthetic

<400> 1726

cggaagaagc agttggaggc gtgacggt

28

<210> 1727

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1727

cggaagaagc agttggaggc gtgacggt

28

<210> 1728

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1728

cggaagaagc agttggaggc gtgacggt

28

<210> 1729

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1729

cggaagaagc agttggaggc gtgacgga

28

<210> 1730

<211> 12

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1730
caacgcttcc tc

12

<210> 1731

<211> 13

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1731
caacgcttcc tcc

13

<210> 1732

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1732
caacgcttcc tccg

14

<210> 1733

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1733
caacgcttcc tccguu

16

<210> 1734

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1734
caacgcttcc tccguuuu

18

<210> 1735

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1735
caacgcttcc tccg

14

<210> 1736

<211> 31

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (30)..(30)

<223> The residue at this position is attached to a C18 linker.

<220>

<221> modified_base

<222> (31)..(31)

<223> The modified nucleotide at this position is dideoxy cytosine.

<400> 1736.

cgaaattaat acgccttctt gggcatgtac c

31

<210> 1737

<211> 31

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (30)..(30)

<223> The residue at this position is linked to a C18 linker.

<220>

<221> modified_base

<222> (31)..(31)

<223> The modified nucleotide at this position is dideoxy cytosine.

<400> 1737

cgaaattaat acgccttctt gggcatgtac c

31

<210> 1738

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (23)..(23)

<223> The modified nucleotide at this position is dideoxy cytosine.

<400> 1738

ctgaagatgt ttcagttctg tgc

23

<210> 1739

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1739

gaagatgttt cagttctgtg gc

22

<210> 1740

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1740

tcacttcccta ccttcttggg catgtaa

27

<210> 1741

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1741

tcacttccta ccttcttggg catgtaaaac

30

<210> 1742

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (27)..(27)

<223> The residue at this position is attached to a C18 linker.

<220>

<221> modified_base

<222> (28)..(28)

<223> The modified nucleotide at this position is dideoxy cytosine.

<400> 1742

tcacttccta ccttcttggg catgtaac

28

<210> 1743

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (22)..(22)

<223> The modified nucleotide at this position is dideoxy cytosine.

<400> 1743

gaagatgttt cagttctgtg gc

22

<210> 1744

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1744

acttctact taattccatt caaaatc

27

<210> 1745

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (27)..(27)

<223> The residue at this position is attached to a C18 linker.

<220>

<221> modified_base

<222> (28)..(28)

<223> The modified nucleotide at this position is dideoxy cytosine.

<400> 1745
acttcctact taattccatt caaaatcc

28

<210> 1746

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (24)..(24)

<223> The modified nucleotide at this position is dideoxy cytosine.

<400> 1746
gagtttggga ttcttgtaat tatc

24

<210> 1747

<211> 36

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1747
cgtgttctgt ggcgtatctt aattccattc aaaatc

36

<210> 1748

<211> 36

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1748

cgtgttctgt ggcgtatctt aattccattc aaaatc

36

<210> 1749

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (24)..(24)

<223> The modified nucleotide at this position is dideoxy cytosine.

<400> 1749

gagtttgga ttcttgtaat tatc

24

<210> 1750

<211> 41

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1750

cgtgttctgt ggcgtatctt aattccattc aaaatcatct g

41

<210> 1751

<211> 41

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1751

cgtgttctgt ggcgtatctt aattccattc aaaatcatct g

41

<210> 1752

<211> 39

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1752

cgtgttctgt ggcgtatctt aattccattc aaaatcatc

39

<210> 1753

<211> 39

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1753

cgtgttctgt ggcgtatctt aattccattc aaaatcatc

39

<210> 1754

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (24) .. (24)

<223> The modified nucleotide at this position is dideoxy cytosine.

<400> 1754

gagtttggga ttcttgtaat tatc

24

<210> 1755

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1755

ttctactct tgatcttcat tgtgc

25

<210> 1756

<211> 21

<212> DNA

<213> Artificial Sequence

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<223> Synthetic

<400> 1756

ctcaggagga gcaatgatct t

21

<210> 1757

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1757

ctcaggagga gcaatgat

18

<210> 1758

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (28)..(28)

<223> The residue at this position is attached to a C18 linker.

<220>

<221> modified_base

<222> (29)..(29)

<223> The modified nucleotide at this position is dideoxy cytosine.

<400> 1758

tcacttcta ctctgggtca tcttctcgc

29

<210> 1759

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (28)..(28)

<223> The residue at this position is attached to a C18 linker.

<220>

<221> modified_base

<222> (28)..(28)

<223> The modified nucleotide at this position is dideoxy cytosine.

<400> 1759

tcacttcta ctctgggtca tcttctcgc

29

<210> 1760

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (24)..(24)

<223> The modified nucleotide at this position is dideoxy cytosine.

<400> 1760

gtgttgaagg tctcaaacaat gatc

24

<210> 1761

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (26)..(26)

<223> The modified nucleotide at this position is dideoxy cytosine.

<400> 1761
gggtgttgaa ggtctcaaac atgac

26

<210> 1762

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1762
cgtgttctgt ggcgtatctg ggcatcttc tcg

33

<210> 1763

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1763
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33

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<211> 26

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<220>

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<220>

<221> modified_base

<222> (26)..(26)

<223> The modified nucleotide at this position is dideoxy cytosine.

<400> 1764

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26

<210> 1765

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

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28

<210> 1767

<211> 28

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<220>

<223> Synthetic

<400> 1767

ggaatcatat tggaacatgt aaaccatc

28

<210> 1768

<211> 26

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<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1768

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26

<210> 1769

<211> 26

<212> DNA

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<220>

<223> Synthetic

<400> 1769

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26

<210> 1770

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<400> 1770

cacttgattt tggagggatc tca

23

<210> 1771

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ttcatacggg ttgtagttga ggtcaatg

28

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19

<210> 1774

<211> 19

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<213> Artificial Sequence

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<400> 1774

tggcgatatca tgtagttga

19

<210> 1775

<211> 25

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<220>

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<400> 1775

ggagtcatac tggaacatgt agacc

25

<210> 1776

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<212> DNA

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<220>

<223> Synthetic

<400> 1776

tggcgatatca tgtagttga

19

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<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1777

agtcatactg gaacatgtag aca

23

<210> 1778

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1778

ggagtcatac tggaacatgt agaca

25

<210> 1779

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1779

tggcgatatct cttttctcat t

21

<210> 1780

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1780

tggcgatatct cttttctcat t

21

<210> 1781

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1781

acaatcagaa ttgccattgc acaaca

26

<210> 1782
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<220>

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<400> 1782
gaaggcagag gaccgtgagg c

21

<210> 1783
<211> 21
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<220>

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<400> 1783
gaaggcagag gaccgtgagg c

21

<210> 1784
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<220>

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<400> 1784
aagacatctg gtgttgtagt ga

22

<210> 1785
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<400> 1785

tggcgtatct ccccagagaa agc

23

<210> 1786

<211> 23

<212> DNA

<213> Artificial Sequence

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<223> Synthetic

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tggcgtatct ccccagagaa agc

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<210> 1787

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1787

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<212> DNA

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23

<210> 1789

<211> 23

<212> DNA

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<220>

<223> Synthetic

<400> 1789

tggcgatatct agggctccaa gag

23

<210> 1790

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1790

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25

<210> 1791

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1791

tggcgatatct agggctccaa g

21

<210> 1792

<211> 21

<212> DNA

<213> Artificial Sequence

<220> .

<223> Synthetic

<400> 1792

tggcgtatct agggctccaa g

21

<210> 1793

<211> 25

<212> DNA

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<220>

<223> Synthetic

<400> 1793

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<210> 1794

<211> 11

<212> DNA

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<220>

<223> Synthetic

<220>

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<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

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11

<210> 1795

<211> 12

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1795
attctctcag ac

12

<210> 1796

<211> 13

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1796
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13

<210> 1797

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1797

cagtcctgaga tgaatgatac gccagg

26

<210> 1798

<211> 16

<212> DNA

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<220>

<223> Synthetic

<400> 1798

cttggagccc tagata

16

<210> 1799

<211> 15

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1799

cttggagccc tagat

15

<210> 1800

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1800

cttggagccc taga

14

<210> 1801

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1801

ctggcgatc tagggctcca

20

<210> 1802

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1802

cctggcgat ctagggctcc a

21

<210> 1803

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1803

gtgttcaggt tttggaggcg gataa

25

<210> 1804

<211> 26

<212> DNA

<213> Artificial Sequence

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cagtctgaga tgaatgatac gccagg

26

<210> 1805

<211> 15

<212> DNA

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<220>

<223> Synthetic

<400> 1805

cttggagccc tagat

15

<210> 1806

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1806

ctctctcgtc tctagggctc ca

22

<210> 1807

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1807

ctctctcgtc tctagggctc ca

22

<210> 1808

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1808

gtgttcaggt tttggaggcg gataa

25

<210> 1809

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1809

cagtctgaga tgaatgagac gagagagt

28

<210> 1810

<211> 15

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1810

cttgagccc tagag

15

<210> 1811

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1811

tggcgatatct agggctcca

19

<210> 1812

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1812

tggcgatatct agggctcca

19

<210> 1813

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

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gtgttcaggt tttggaggcg gataa

25

<210> 1814

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1814

tggcgatatct cccagagaa a

21

<210> 1815

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1815

tggcgtatct ccccagaga

19

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<211> 25

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<220>

<223> Synthetic

<400> 1816

cactgagccg atgaagcgat ggtaa

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<210> 1817

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1817

tggcgtatct atagggctc

19

<210> 1818

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1818

gtgtgttcag gttttggagg cggaa

25

<210> 1819

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

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<211> 23

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<400> 1820

ggcagctctc aggtcagggtg tga

23

<210> 1821

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<212> DNA

<213> Artificial Sequence

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<223> Synthetic

<400> 1821

aggcagctct caggtcagggt gtga

24

<210> 1822

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

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<212> DNA

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<220>

<223> Synthetic

<220>

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<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

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<210> 1824

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<212> DNA

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<400> 1824

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15

<210> 1825

<211> 16

<212> DNA

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<400> 1825
caaaacctga agagac

16

<210> 1826

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1826
caaaacctga agagacg

17

<210> 1827

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1827
ctctctcgtc tcttcaggtt ttg

23

<210> 1828

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1828

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<211> 23

<212> DNA

<213> Artificial Sequence

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<223> Synthetic

<400> 1829

ggcagctctc aggtcaggtg tga

23

<210> 1830

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1830

gaggcggata tagggct

17

<210> 1831

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1831
ctctctcgtc ttctaaggac tta

23

<210> 1832

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1832
ctctctcgtc ttctaaggac ttac

24

<210> 1833

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1833
gaaacaggag tgcaaggacc agaca

25

<210> 1834

<211> 20

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<400> 1834
tcacgtctct tcaggttttg

20

<210> 1835

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1835

gtcacgtctc ttcaggtttt g

21

<210> 1836

<211> 22

<212> DNA

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<220>

<223> Synthetic

<400> 1836

agtcacgtct cttcaggttt tg

22

<210> 1837

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1837

cagtcacgtc tcttcaggtt ttg

23

<210> 1838

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1838
aggcagctct caggtcaggt gtga

24

<210> 1839

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1839
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14

<210> 1840

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1840
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30

<210> 1841

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1841

cggaagaagc agttggagac gtgactgtgg

30

<210> 1842

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1842

cggacgaagc agttggagac gtgactgtgg

30

<210> 1843

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1843

caacgcttcc tccg

14

<210> 1844

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1844

cggaagaagc agttggtgcg cctcgtaa

29

<210> 1845

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 1845

caacgcttcc tccg

14

<210> 1846

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1846

cggaagaagc agttggaggc gtgacggt

28

<210> 1847

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1847

aacgaggcgc acgatgtcca tcga

24

<210> 1848

<211> 24

<212> DNA

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<220>

<223> Synthetic

<400> 1848

ttcttggtgt tcttttactt tctc

24

<210> 1849

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1849

gcaatcaata aagtcccgag gggtgttc

28

<210> 1850

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1850
tcgatggaca tcgtgcgc

18

<210> 1851

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1851
ccgtcacgcc tctcacccat ct

22

<210> 1852

<211> 15

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1852
ctggtcgccg cacct

15

<210> 1853

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1853
tgtagggcat gtgagcctgg a

21

<210> 1854

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1854

agatgggaga gaggcg

16

<210> 1855

<211> 22

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<223> Synthetic

<400> 1855

ccgtcacgcc tcgaagccct gt

22

<210> 1856

<211> 27

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<400> 1856

acttcgatgt cacgggatgt catatgg

27

<210> 1857

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1857

gagtgtcggt cccttaggga tgcgc

25

<210> 1858

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1858

acagggcttc gaggcg

16

<210> 1859

<211> 25

<212> DNA

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<220>

<223> Synthetic

<400> 1859

ccgtcacgcc tccctgctga gaaag

25

<210> 1860

<211> 15

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1860

gcaggaaggc ctccg

15

<210> 1861

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1861
cccgagcat gcacggcgga

20

<210> 1862

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1862
ctttctcagc agggaggcg

19

<210> 1863

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1863
ccgtcacgcc tccctgctga gaaa

24

<210> 1864

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1864

ccgtcacgcc tccctgctga gaaa

24

<210> 1865

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1865

ccgtcacgcc tccctgctga gaaa

24

<210> 1866

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1866

cccaggcat gcacggcgga

20

<210> 1867

<211> 15

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1867

ggcaggaagg cctcc

15

<210> 1868

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1868

tttctcagca gggaggcg

18

<210> 1869

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1869

ccgtcacgcc tccctgctga ga

22

<210> 1870

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1870

aaggcaggaa ggcctcc

17

<210> 1871

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1871

tctcagcagg gaggcg

16

<210> 1872

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1872

ccgtcacgcc tccctgctga gaa

23

<210> 1873

<211> 16

<212> DNA

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<220>

<223> Synthetic

<400> 1873

aggcaggaag gcctgg

16

<210> 1874

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1874

ttctcagcag ggaggcg

17

<210> 1875
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 1875
ccgtcacgcc tccctgctga gaaag

25

<210> 1876
<211> 15
<212> DNA
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<223> Synthetic
<400> 1876
gcaggaaggc ctccg

15

<210> 1877
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic
<400> 1877
ctttctcagc agggaggcg

19

<210> 1878
<211> 23
<212> DNA
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<220>

<223> Synthetic

<400> 1878

aacgaggcgc accaccatat ccc

23

<210> 1879

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1879

ccagcgggttt ccattggcaa agatcaa

27

<210> 1880

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1880

cggaagaatg ggtcgacat g

21

<210> 1881

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1881

gggatatggt ggtgcgc

17

<210> 1882

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1882

ccgtcacgcc tccaccatat ccc

23

<210> 1883

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1883

ccgtcacgcc tccaccatat ccc

23

<210> 1884

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1884

ccgtcacgcc tccaccatat ccc

23

<210> 1885

<211> 17

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1885

gggatatggt ggaggcg

17

<210> 1886

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1886

aacgaggcgc accagagctg atgag

25

<210> 1887

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 1887

gagaagagct caaacagctg gccgaataa

29

<210> 1888

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

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cttgtcactc ggggttcgag aagatgaa

28

<210> 2153

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<400> 2153

gccgtcacgc ctctcatctg tttagggcc

29

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<223> Synthetic

<400> 2154

ggccctaaac agatgagagg cgt

23

<210> 2155

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<400> 2155

ggccctaaac agatgagagg cgtga

25

<210> 2156

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<223> Synthetic

<400> 2156

caggctcctgg aaggagcact a

21

<210> 2157

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<212> DNA

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<400> 2157

gccgtcacgc ctctctcctc attgaatcct

30

<210> 2158

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aggattcaat gaggagagag gcgtga

26

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aggattcaat gaggagagag gcgt

24

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<211> 29

<212> DNA

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<220>

<223> Synthetic

<400> 2160

ccgtcacgcc tctctcctca ttgaatcct

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<210> 2161

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2161

aggattcaat gaggagagag gcg

23

<210> 2162

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2162

gccgtcacgc ctctctcctc attgaatcc

29

<210> 2163

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

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<400> 2163

ggattcaatg aggagagagg cgtga

25

<210> 2164

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<223> Synthetic

<400> 2164

ggattcaatg aggagagagg cgt

23

<210> 2165

<211> 28

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<220>

<223> Synthetic

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ccgtcacgcc tctctcctca ttgaatcc

28

<210> 2166

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2166

ggattcaatg aggagagagg cg

22

<210> 2167

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2167

ccgtcacgcc tctctcctca ttgaatc

27

<210> 2168

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2168

gattcaatga ggagagaggc g

21

<210> 2169

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2169

ccgccgagat cactctcctc attgaatc

28

<210> 2170

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2170

gattcaatga ggagagtgat ctc

23

<210> 2171

<211> 34

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2171

ccaaaagtcc agtgatgatt ttcaccaggc aaga

34

<210> 2172

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2172

cggaggaagc agttggtgcg cctcgttaa

29

<210> 2173

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 2173

caacgcttcc tccg

14

<210> 2174

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2174

ccaggaagca agtggtgcgc ctcgttt

27

<210> 2175

<211> 13

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (3)..(3)

<223> The residue at this position is linked to a Z21 quenching group.

<400> 2175
cactgcttcg tgg

13

<210> 2176

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2176
cggaagaagc agttggaggc gtgacggt

28

<210> 2177

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 2177
caacgcttcc tccg

14

<210> 2178

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2178
cggaagaagc agttggaggc gtgacggc

28

<210> 2179

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 2179
caacgcttcc tccg

14

<210> 2180

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2180

ccaggaagca agtggaggcg tgacggu

27

<210> 2181

<211> 13

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (3)..(3)

<223> The residue at this position is linked to a Z21 quenching group.

<400> 2181

cactgcttcg tgg

13

<210> 2182

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2182

cggaggaagc agttggtgat ctcggcgg

28

<210> 2183

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 2183
caacgcttcc tccg

14

<210> 2184

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2184
cggaagaagc agttggtgat ctcggcgg

28

<210> 2185

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 2185
caacgcttcc tccg

14

<210> 2186

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2186
gctactgaga tgaaggagac gtgactgta

29

<210> 2187

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 2187
cttctctcag tagc

14

<210> 2188

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2188

ccgaggaagc gggtgcgtac gactgggtaa

30

<210> 2189

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 2189

caacgcttcc tccg

14

<210> 2190

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2190

cggaggaagc gggtggtgcg ggtgggttg

29

<210> 2191

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 2191
caacgcttcc tccg

14

<210> 2192

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 2192
caacgcttcc tccg

14

<210> 2193

<211> 12

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 2193
attctctcag ac

12

<210> 2194

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 2194
taacgcttcc tccg

14

<210> 2195

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (3)..(3)

<223> The residue at this position is linked to a Dabcyl quencher.

<400> 2195
caatgcttcc tccg

14

<210> 2196

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (3)..(3)

<223> The residue at this position is linked to a Z21 quenching group.

<400> 2196
ctcttctcag tgcg

14

<210> 2197

<211> 13

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (3)..(3)

<223> The residue at this position is linked to a Z21 quenching group.

<400> 2197
cactgcttcg tgg

13

<210> 2198

<211> 13

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (3)..(3)

<223> The residue at this position is linked to a Z28 quenching group.

<400> 2198
cactgcttcg tgg

13

<210> 2199

<211> 12

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> misc_feature

<222> (4)..(4)

<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

<400> 2199
cttctctcag ac

12

<210> 2200

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2200

cggaggaagc agttggaggc gtagcggg

28

<210> 2201

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2201

cggaggaagc agttgtggcg gtagcggg

29

<210> 2202

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2202

cagtctgaga tgaatgagac gagagagt

28

<210> 2203

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2203

cggaggaagc ggtagtctg tcacgtcat

29

<210> 2204

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2204

cggaggaagc ggtagtctg ccacgtcat

29

<210> 2205

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2205

cggaagaagc agttggtgcg cctcgtaa

29

<210> 2206

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2206

cggaggaagc agttggtgcg cctcgtaa

29

<210> 2207

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2207

cggaggaagc agttgcggcg tgcggct

27

<210> 2208

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2208

gcgcagtgag aatgaggagg cgtgacggu

29

<210> 2209

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2209

ccaggaagca agtggtgcgc ctcguuu

27

<210> 2210

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2210

cagtctgaga tgaatgatac gccagg

26

<210> 2211

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2211

agtctgagat gaaggagacg tgactgtgg

29

<210> 2212

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2212

cggaggaagc ggttggtgat ctcggcg

27

<210> 2213

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2213

tctgtggcgt atccttcttg ggcattgaa

29

<210> 2214

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2214

gtggcgatc cttcttgggc atgtaa

26

<210> 2215

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2215

gcgtatcctt cttgggcatg taa

23

<210> 2216

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (22)..(22).

<223> The modified nucleotide at this position is a dideoxy cytosine.

<400> 2216

gaagatgttt cagttctgtg gc

22

<210> 2217

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (23)..(23)

<223> The modified nucleotide at this position is biotinylated deoxyadenosine.

<400> 2217

aaaagatacg ccacagaaca cgatt

25

<210> 2218

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2218

tggcgtatct taattccatt caaat

26

<210> 2219

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2219
tgggagtttg ggattcttgt aattaa

26

<210> 2220

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (18)..(18)

<223> The modified nucleotide at this position is biotinylated deoxythymidine.

<400> 2220
aaaagatacg ccacagctc

19

<210> 2221

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2221
tggcgatatct aattattaat tccattc

27

<210> 2222

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2222

atcctggtga gtttgggatt cttga

25

<210> 2223

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (18)..(18)

<223> The modified nucleotide at this position is biotinylated deoxythymidine:

<400> 2223

aaaagatacg ccacagctc

19

<210> 2224

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2224

tggcgatatct tccattcaaa atcatc

26

<210> 2225

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2225

gtttgggatt cttgtaatta ttaaa

25

<210> 2226

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (18)..(18)

<223> The modified nucleotide at this position is biotinylated deoxythymidine.

<400> 2226

aaaagatacg ccacagctc

19

<210> 2227

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2227

gtggcgatc cttcttgggc at

22

<210> 2228

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2228

gaagatgttt cagttctgtg gc

22

<210> 2229

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (18)..(18)

<223> The modified nucleotide at this position is biotinylated deoxythymidine.

<400> 2229

aaaagatacg ccacagctc

19

<210> 2230

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2230

tggcgatatct ctgggtcatc ttc

23

<210> 2231

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2231

gggtgttgaa ggtctcaaac atgaa

25

<210> 2232

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (18)..(18)

<223> The modified nucleotide at this position is biotinylated deoxythymidine.

<400> 2232

aaaagatacg ccacagctc

19

<210> 2233

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2233

tggcgatatct cttgatcttc attgt

25

<210> 2234

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2234

acttgcgctc aggaggagca atgaa

25

<210> 2235

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (18)..(18)

<223> The modified nucleotide at this position is biotinylated deoxythymidine.

<400> 2235

aaaagatacg ccacagctc

19

<210> 2236

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2236

tggcgatatct gatctgggctc atct

24

<210> 2237

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2237

tggtctgggggt gttgaagggtc tcaaacaa

28

<210> 2238

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (18)..(18)

<223> The modified nucleotide at this position is biotinylated deoxythymidine.

<400> 2238

aaaagatacgc ccacagctc

19

<210> 2239

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2239

accggtatct gccacaggaag ga

22

<210> 2240

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2240

agtttcgtgg atgccacagg agaccaa

27

<210> 2241

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2241

agtttcgtgg atgctacagg agaccaa

27

<210> 2242

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2242

aaaagatacg ccacagctc

19

<210> 2243

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2243

tggcgtatct ctcaaacatg atct

24

<210> 2244

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2244

acgtacatgg ctgggggtgtt gaagga

26

<210> 2245

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (18)..(18)

<223> The modified nucleotide at this position is biotinylated deoxythymidine.

<400> 2245

aaaagatacg ccacagctc

19

<210> 2246

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2246

tggcgtatct gatctgggtc atc

23

<210> 2247

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2247

tggtctgggggt gttgaagggtc tcaaacaa

28

<210> 2248

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<220>

<221> modified_base

<222> (18)..(18)

<223> The modified nucleotide at this position is biotinylated deoxythymidine.

<400> 2248

aaaagatacg ccacagctc

19

<210> 2249

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2249

ccgtcacgcc tcgccttggg gtta

24

<210> 2250

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2250

tctgggtcat cttctcgagg ttga

24

<210> 2251

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2251

gaaccccaag gcgaggcgt

19

<210> 2252

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2252

ccgtcacccgc catgggtcat cttct

25

<210> 2253

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2253

cgcggttggc cttggggtt

19

<210> 2254

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2254

ctgggggtgtt gaaggctctca aacatgatcc

30

<210> 2255

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2255

agaagatgac ccatggcgg

19

<210> 2256

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2256

ctctctcgtc tctcctggaa ga

22

<210> 2257

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2257

atttgatgtt agtggggtct cgca

24

<210> 2258

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic

<400> 2258

ctctctcgtc tctgctgaca atc

23

<210> 2259

<211> 24

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<223> The residue at this position is linked to a spacer bearing a Cy3 dye.

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13

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14

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